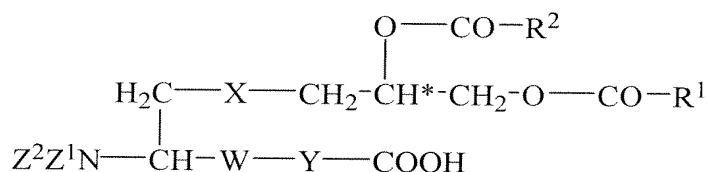


**AMENDMENTS TO THE CLAIMS:**

1. (Previously presented) A method of treating a wound in an animal or human comprising administering to said animal or human a pharmaceutical composition comprising a lipopeptide or lipoprotein with the following general structure:



wherein

R<sup>1</sup> and R<sup>2</sup> stand for C<sub>7-25</sub>-alkyl, C<sub>7-25</sub>-alkenyl or C<sub>7-25</sub>-alkynyl,

X is S, O, or CH<sub>2</sub>,

Z<sup>1</sup> and Z<sup>2</sup> stand for H or methyl,

W stands for CO or S(O)<sub>n</sub> (where n = 1 or 2) and

Y comprises the following amino acid sequence:

GNNDENISFKEK (SEQ ID NO:3);

and the asymmetric carbon atom marked with \* denotes an asymmetric carbon atom and has the absolute configuration R when X = S (sulfur).

2. (Canceled)

3. (Canceled)

4. (Previously presented) The method of claim 1 wherein the C<sub>7-25</sub>-alkyl, C<sub>7-25</sub>-alkenyl, or C<sub>7-25</sub>-alkynyl is a C<sub>15</sub>-alkyl, C<sub>15</sub>-alkenyl, or C<sub>15</sub>-alkynyl, respectively.

5. (Withdrawn) The method of claim 1 wherein the double bond(s) in the C<sub>7-25</sub>-alkenyl group has(have) the cis-configuration.

6. (Previously presented) A method of treating a wound in an animal or human comprising administering to an animal or human a physiologically

compatible lipopeptide or lipoprotein which carries at the N-terminal a dihydroxypropyl cysteine group with two fatty acids bonded via ester bonds, wherein the lipopeptide or lipoprotein comprises the following amino acid sequence:

GNNDESNISFKEK (SEQ ID NO:3).

7. (Previously presented) The method of claim 1 wherein said lipopeptide or lipoprotein is obtained from a mycoplasma clone.

8. (Previously presented) The method of Claim 7, wherein said lipopeptide or lipoprotein is obtained from a *Mycoplasma fermentans* clone.

9. (Previously presented) The method of claim 1 wherein said lipopeptide or lipoprotein is water-soluble or amphoteric.

10. (Previously presented) The method of claim 1 wherein said lipopeptide or lipoprotein comprises:

(i) S-[2,3-bispalmitoyloxy-(2RS)-propyl]cysteinyl-  
GNNDESNISFKEK (SEQ ID NO:7)

(ii) S-[2,3-bispalmitoyloxy-(2R)-propyl]cysteinyl-  
GNNDESNISFKEK (SEQ ID NO:10).

11. (Previously presented) The method of claim 1 wherein said lipopeptide or lipoprotein is in the form of a solution for epicutaneous application, an injection solution, a salve, a lotion, an aqueous suspension, a plaster impregnated or coated with said lipopeptide or lipoprotein, encapsulated in liposomes, or coupled to biodegradable carrier polymers.

12. (Previously presented) The method of claim 1 wherein said wounds are wounds after injury or surgical intervention, chronically infected wounds, burn wounds, chronic ulcers or Ulcus venosum or wounds of patients who are corpulent or diabetic or are subjected to radiation or chemotherapy.